

COATING COMPOSITION FOR GLASS

JULY 125

ABSTRACT OF THE DISCLOSURE

A composition for coating glass by chemical-vapor deposition comprises a mixture of a tin oxide precursor monobutyltin trichloride, a silicon dioxide precursor tetraethylorthosilicate, and an accelerant such as triethyl phosphite; the composition is gaseous below 200°C., and permits coating glass having a temperature from 450 to 650°C at deposition rates higher than 350Å/sec. The layer of material deposited can be combined with other layers to produce an article with specific properties such as controlled emissivity, refractive index, abrasion resistance, or appearance.

David A. Russo
Ryan R. Dirkx
Glenn P. Florczak

Docket No. 3224C